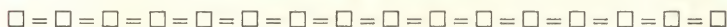
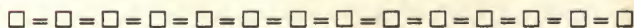


1929

[illegible]

Richards-Wilcox Products

Garage Door Hardware.

Barn Door Hardware.

Vanishing House Door Hardware.

Industrial Door Hardware.

Warehouse Door Hardware.

Railway Roundhouse Door Hardware.

Lift Door Hardware.

PieR-Work Door Hardware.

Hardware for Sliding Partitions in Schools, Churches, Lodges, Etc.

Fire Doors.

Automatic Fire Door Hardware.

Fusible Links.

Fire Station Door Hardware.

Airplane Hangar Door Hardware.

I-Beam Trolleys.

Heavy Hinges.

Mill-Type Doors.

Mounted Grindstones.

Rolling Store Ladders.

Swing Door Checks.

Woodworking Vises.

Woodworking Benches.

"D" Shovel Handles.

Toggle Bolts.

Stair Rail Brackets.

Locks, Bolts, Latches.

Floor Guides, Bumpers.

Fence Stretchers.

Door Holders.

Door Dogs.

Multifold Window Hardware.

Elevator Door Hardware.

Overhead Conveying Systems.



Slidetite

PATENTED

Garage Door Hardware.



Multifold Window Hardware.



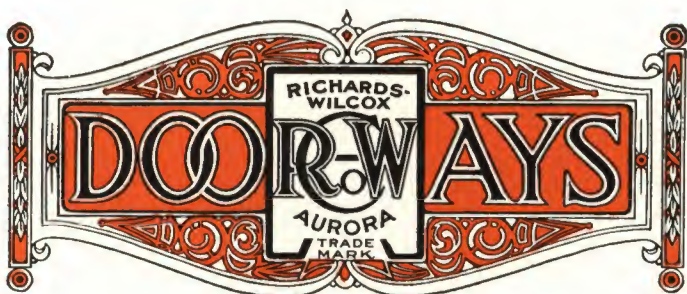
Conveying Systems



Fire Doors

Elevator Door Equipment

"A Hanger for any door that slides"



AUGUST—1929

“Good Reading About Good Hardware.”—H. O. Pease

PUBLISHED BY

Richards-Wilcox Manufacturing Company, Aurora, Ill., U.S.A.

BRANCHES

New York City.....85 Walker Street	San Francisco.....111 Sutter Street
Chicago.....166-168 West Lake Street	Minneapolis.....321 Plymouth Bldg.
Detroit.....505 Donovan Bldg.	Cincinnati. 512 Provident Bank Bldg.
Philadelphia.....507 Arch Street	New Orleans.. 528 Canal Bank Bldg.
Cleveland....459 Hippodrome Annex	Kansas City.....206 Reliance Bldg.
St. Louis.....2006 Locust Street	Indianapolis 1939 N. Meridian Street
Boston.....124-126 Pearl Street	Seattle, Wash.....1214 Hoge Bldg.
Los Angeles. 500-501 Hibernian Bldg.	Omaha.....City National Bank
Des Moines.....619 Hubbel Bldg.	Milwaukee.....445 Milwaukee Street
Atlanta.....515 Bona Allen Bldg.	

Richards-Wilcox Canadian Co., Ltd., London, Ont.
Winnipeg Montreal

SOUTH AMERICA

John MacDonald, Santiago, Chile. Macintyre and Vandeursen,
Sao Paulo, Brazil.
Henri Decoster, Rio de Janeiro, Brazil
Emilio, Leschot, Buenos Aires, Argentina.

Vol. XVII

Edited by Fred C. West, Aurora, Illinois

No. 8

“Wait a Minute”

SOME folks think minutes are only little things to use up waiting for something to happen. “Wait a minute” is a popular slogan, responsible for many failures.

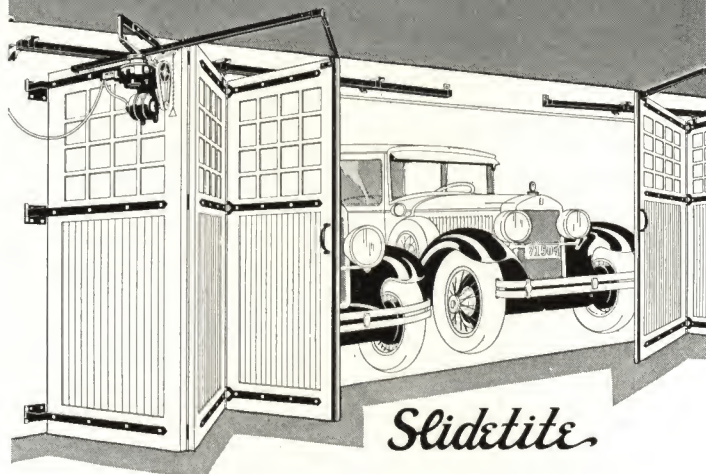
Minutes are something more than just minutes. They are hours — days — years!

Minutes are the little drops of time that make up the mighty ocean on which Inspiration travels from the shores of Opportunity to the intriguing Land of Achievement.

No other medium has more largely entered into the successful pursuit of fortune.

*Save the Minutes and the Years Will Take
Care of Themselves!*

**THE BIGGER THE DOOR-WAY
the more reason for**



R-W equipment !
powered by **AUT-O-DOR** *electric operator*

WITH Slidetite equipment, you are sure of certain, smooth, quiet operation. The doors slide inside the garage, always free from ice, snow, wind and weather.

The R-W Aut-O-Dor Electric Garage Door Operator is engineered to open doors wide and close them tight by simply pushing a button or pulling a cord. Aut-O-Dor is made to meet every need.

There's an R-W way to efficiently solve every doorway problem.

*When You Think of Doorways
Remember R-Ways*

Richards-Wilcox Mfg. Co.
"A Hanger for any Door that Slides."

New York AURORA, ILLINOIS, U.S.A. Chicago
Boston Philadelphia Cleveland Cincinnati Indianapolis St. Louis New Orleans Des Moines
Minneapolis Kansas City Atlanta Los Angeles San Francisco Omaha Seattle Detroit
Montreal • RICHARDS-WILCOX CANADIAN CO., LTD., LONDON, ONT. • Winnipeg

A Modern Coal Digger

RECENTLY I saw the largest coal shovel in the world. It is being made use of at the strip coal mining project of the Northern Illinois Coal Corporation near Wilmington, Ill., sixty miles southeast of Chicago on Illinois concrete highway No. 4. This coal shovel is different from the ordinary kitchen variety of coal shovel, in two ways.

1st, it operates itself. 2nd, it handles 12 cubic yards of material at one shovelful. Its "dipper stick" is 60 feet long. A six-foot man can stand erect in the inner precincts of the dipper.

Traveling on four caterpillar type tractors, one under each corner of its gigantic steel framework, this mechanical behemoth moves across the surface of a coal vein 8 miles long and $1\frac{1}{2}$ miles wide, buried beneath thirty feet of sandy soil, and reveals to the light of the sun this virgin coal.

Forty years ago this Wilmington mining district supplied the coal for Chicago firesides, but had to be abandoned because of the double difficulty that the seam was too thin for the most effective shaft operation and the overburden of soil was too deep for strip mining by the implements of that day.

So, with the aid of modern science and invention, The Northern Illinois Coal Corporation conceived and built a shovel that enables them to uncover the vein of coal, profitably.

This shovel makes it possible to load forty thousand tons of coal monthly, and in excess of 95 per cent of the coal present in the seam will be recovered, as against a maximum of 65 per cent from shaft operations.

A second (smaller) steam shovel actually digs out the coal, after the large shovel has laid the vein bare.

When the present plant has served its full purpose, more dirt will have been handled than did the digging of the Panama Canal entail. It is estimated that the task will last for from thirty to thirty-five years, and

the output will be in the neighborhood of 1,000,000 tons of coal annually.

Think of the minutes required to develop this steel monster. But, think of the hours—months—years, of invaluable service embodied in its mechanism.

As I considered its Aladdin-like characteristics, I remembered R-W and some of the things its engineers and craftsmen are providing the builders of the Twentieth Century. Among the newer modern implements of R-W are Doors and Door Hardware for Airplane Hangars, and Electrical signal devices for Elevators, mentioned in this issue of DooR-Ways.

SPEED



AIRPORT HANGAR DOORWAY OF ALTON FLYING SERVICE, COLUMBIA, MO., EQUIPPED WITH R-W DOORWAY HARDWARE. DOORS IN OPEN POSITION.

SPEED — with safety, has been the eternally desired attainment of mankind. The outstanding accomplishment of airplane operation is Speed. Perfect safety is the companion element eagerly sought. This relation of conditions has been true with respect to transportation (particularly) down through all the ages of time. It affected motor transportation, locomotive transportation, electric transportation, steam-boat transportation. In fact, it began to exist



AIRPORT HANGAR DOORWAY OF ALTON FLYING SERVICE, COLUMBIA, MO., EQUIPPED WITH R-W HARDWARE, SHOWING MANNER OF OPERATION BY DOORS IN PARTLY OPEN POSITION.

when Adam and Eve first rushed from the garden of Eden with the wily serpent dogging their trail.

The airplane has given to mankind Speed to a miraculous degree. Modern invention has provided a comfortable factor of accompanying safety. To make this factor of safety perfect, is the goal toward which everyone associated with airplane transport-



AIRPORT HANGAR DOORWAY OF ALTON FLYING SERVICE, COLUMBIA, MO., EQUIPPED WITH R-W DOORWAY HARDWARE. DOORS IN CLOSED POSITION.



R-W No. 567
TOP ROLLER

tation is straining—including Richards-Wilcox, whose logical responsibility to air transportation is the development of Airport doorways, due to its half century of experience in the development of doorways associated with

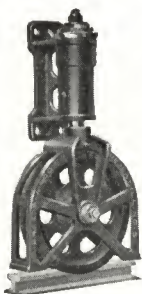
the horse-drawn vehicle, the automobile, railroad transportation, industry, commerce and education.

When the airplane was born, Richards-Wilcox eagerly accepted the responsibility of developing airport doorways, as is evidenced by efficiently operating R-W Airport Doorway Hardware installed in practically every prominent airport in the United States.

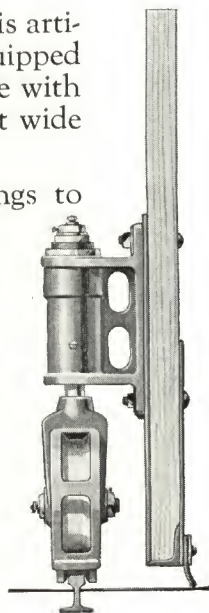
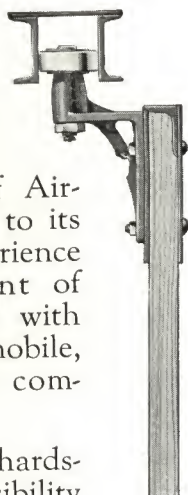
The Hangar doorway is the biggest thing around an Aerodrome—in several ways. Unfailing readiness to operate instantly is an important feature of the hangar doorway. Weather tightness is another. Speed and ease of handling the doors, are highly essential.

The photographs accompanying this article show two Richards-Wilcox equipped airport doorways—one 48 feet wide with ten doors in the opening; one 80 feet wide with 22 doors in the opening.

The doorway 48 feet wide belongs to the Alton Flying Service of Columbia, Mo. A notable feature of this equipment is that the track is located inside the building where it is always clear from snow, ice, or similar obstructions of any kind. The trucks supporting the doors run on a 12-pound steel rail, em-



R-W No. 567
BOTTOM ROLLER





HANGAR OF FORD AIRPORT AT CLEVELAND, OHIO, R-W EQUIPPED.

bedded in the cement floor. The top roller which steadies and guides the doors is dust-proof and ball-bearing. The bottom roller which supports the weight, likewise is dust-proof and ball-bearing. This bottom roller is pivoted in a roller bearing to take the radial load and also has a roller bearing to take the vertical load. The bottom roller is adjustable, vertically. The housings are made of malleable iron. Both top and bottom wheels have turned or machined treads.

All bearings are fitted with Alemite Oilers. The hinges of the single swinging doors attached to either jamb are R-W No. 1035 Industrial hinges, 48 inches long. The other hinges are R-W No. 1040 Industrial hinges. These doors are $2\frac{5}{8}$ inches thick and are hinged together in pairs.

Note that entrance may be gained through either of these swinging doors without opening the main doorway. Also a small wicket door is provided for ready entrance. The doors are opened by sliding them around the front corner inside the hangar so that they stand alongside the side wall.

Architects Bill & Traber designed the Hangar, which was built by Contractor J. E. Hathman. The Hardware was furnished by Renie Hardware Company, all of Columbia, Mo.

The accompanying illustrations give a detailed impression of the principal hardware members of this doorway equipment. These two installations provide a representative impression of R-W's preparedness to provide doorway equipment for hangars of any description.

When Building a Home Remember ~

ONE of the greatest opportunities for convenience, safety, comfort, pleasing interior decoration, economy, is —

Richards-Wilcox Vanishing Door Hardware For Interior Doorways



NOTE THE BEAUTIFUL EFFECT OF THESE LIVING ROOM DOORS ON R-W VANISHING DOOR HARDWARE — DOORS PARTLY CLOSED. THESE DOORS OPERATE WITHOUT INTERFERENCE WITH FURNITURE.



HERE THE DOORS HAVE DISAPPEARED INTO THE WALL — OPERATING ON R-W VANISHING DOOR HARDWARE.

OUR COVER



THE fortitude and resourcefulness of revolutionary pioneers mark the pages of history associated with the old Presbyterian Church of New Providence, N. J., a doorway of which is pictured on our front cover.

For more than forty years the sturdy settlers of "Turkey," N. J., had worshipped in a square frame structure, having no steeple and sided with cypress shingles.

There were no fires and the only warmth in winter was from the embers carried in the foot warmers brought by the women.

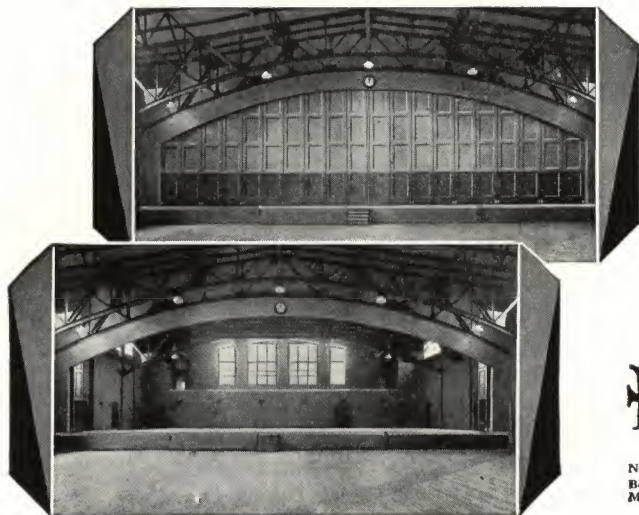
At length it was decided the church was too small and an addition was commenced in 1773. This was much larger but fate decreed that it should be nearly nine years before it was completed. The Revolution interfered with the work.

In the meantime the unfinished building was used for worship and during one of the old time long sermons in 1778 the gallery gave way and dropped a goodly number of people down on the worshipers below. Strange to say, no one was seriously injured.

All felt that this was a special act of Providence and the name of the church was changed from "The Presbyterian Church of Turkey"—to "The Presbyterian Church of New Providence." The community became known far and wide as New Providence and eventually secured its charter in that name.



Twenty R-W FoldeR-Way doors, each 24 feet high, 4 feet 2 inches wide and 3 inches thick, form the sliding, folding, disappearing wall which closes the 83 foot wide opening between the boys' and girls' gymnasiums in the New Trier High School, Kenilworth, Ill.



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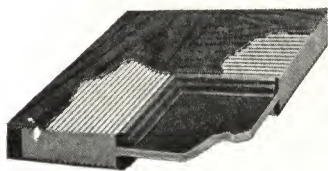
New York A
Boston Philadelphia Cleve
Minneapolis Kansas City
Montreal • RICHARD

In a Minute— the Whole Wall Disappears and Reappears with FOLDER-WAY!

THE high cost of floor space and the necessity for making one big room do the work of two or smaller ones—this is the problem which finds its complete solution in Folder-Way Partition Door hardware.

With Folder-Way, the wall is built to fold and slide out of sight and slip quietly and easily back into place at will.

No opening is too large for Folder-Way. No problem too intricate for R-W engineers. Write today for Folder-Way Form VA-43. Or, consult R-W—addresses given on page 3 of this magazine.



The beauty and smooth operation of R-W Compound Key Veneered doors are LASTING. Sagging, warping, swelling, shrinking, are practically eliminated by tongue and groove method of applying extra heavy sawed veneer to rails and stiles of laminated core construction. Sold exclusively by Richards-Wilcox.



Richards-Wilcox Mfg. Co.
for any Door that Slides.

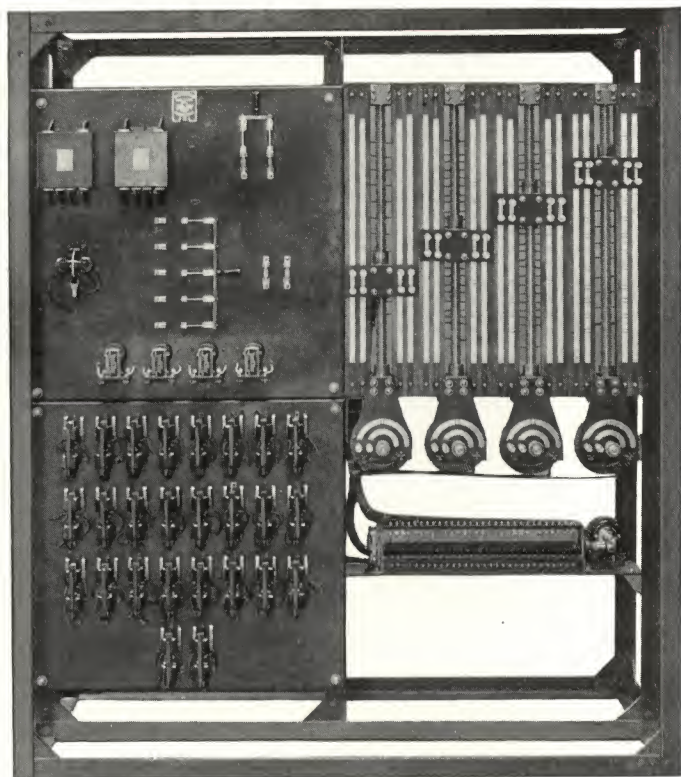
CHICAGO, ILLINOIS, U.S.A. Chicago
and Cincinnati Indianapolis St. Louis New Orleans Des Moines
Atlanta Los Angeles San Francisco Omaha Seattle Detroit
RICHARDS-WILCOX CANADIAN CO., LTD., LONDON, ONT. • Winnipeg

Folder-Way flush bolt, two being required when doors divide at center, one when doors all fold one way. Brass or dull black finish.

R-W Elevator Signal Control

J. FREDERICK COOK, *Architect*
Newark, N. J.

lege of Law,



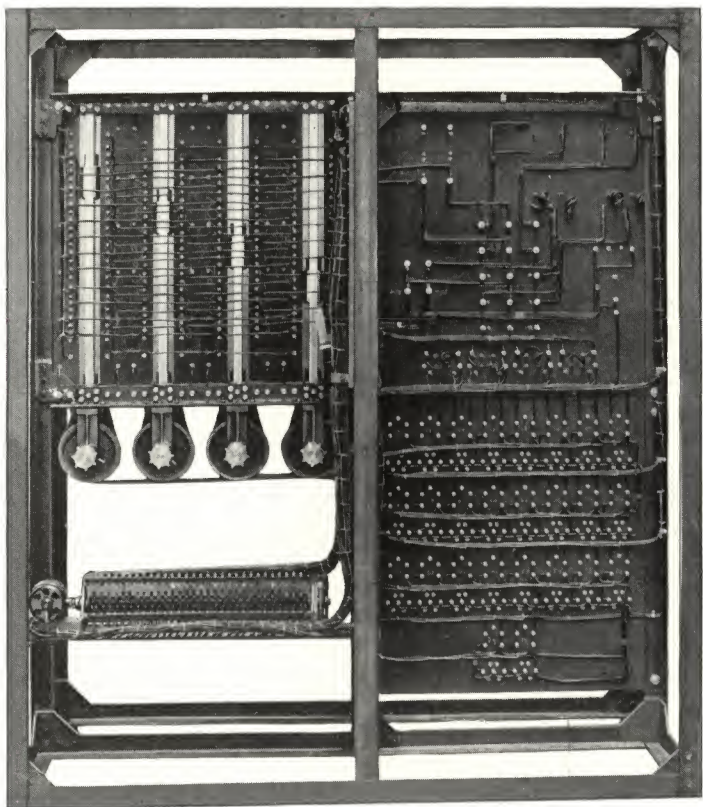
FRONT VIEW OF SIGNAL CONTROLLER, SHOWING BRUSH CARRIAGE MECHANISM, VERTICAL COMMUTATORS, "TOGGLE-LOCK" RELAY PANEL, STOPPING RELAYS, BUZZER RELAY, DUPLICATE TRANSFORMERS.

SINCE the efficiency of modern elevator installations is to a large extent dependent on the accuracy and efficiency of the signal system employed, the designers of R-W Elevator Signal Systems have kept in mind the many problems of vertical transportation.

The R-W Signal Controller is simply designed, sturdily constructed and embodies the latest developments in the signal field. The compact vertical commutator and "Toggle-lock" relay unit with silver-to-carbon contacts are two features worthy of close study and consideration. All controlling mechanisms are contained in a dust-proof steel cabinet with hinged doors in front to make the relays, commutating mechanism and low voltage switches readily accessible.

ler *Installed in St. John's Col-* *Brooklyn, N. Y.*

JOHN KENNEDY CONSTRUCTION COMPANY, *Builders,*
New York, N. Y.



BACK VIEW OF SIGNAL CONTROLLER, SHOWING ALL WIRING
AND CROSS-CONNECTIONS, AND THE MOTOR DRIVEN REMOTE
CONTROL THROW-OVER SWITCH.

Signal fixtures are furnished either in cast iron electroplated or solid bronze. Many standard designs are available but special designs can be furnished when it is desired to match the general architectural scheme of the building.

The signal controller illustrated here was installed in the St. John's College of Law, Brooklyn, N. Y. It provides for a flash light annunciator system consisting of a flashlight annunciator in each of four cars, with a remotely controlled throw-over switch for cutting out three cars at certain periods of the day and night. Full circular mechanical indicators were installed for each of 53 openings.

Our sales and engineering staff is at your service to help you in selecting the proper system for your next building project.

A MODERN MAN

"Dorothy Davis, stand and be sworn."

George Nelson started from his chair—but was detained by a firm hand on his arm. Glancing angrily toward the owner of the hand, expressions of surprise, then puzzlement, flashed across his face. He was looking into the kindly but unyielding eyes of Mrs. Barrington McCord.

"She must not entangle herself in this!" he whispered desperately. "Her name must be kept out of this testimony. She doesn't know anything about it."

"Wait and see!" said Mrs. McCord—her detaining hand remaining firmly agasp his arm. That, and his feeling of indebtedness to this social matron—who had manifested such sincere personal interest in the welfare of this temperamental young man prevailed over his inclination to declare before the coroner's inquest that Dorothy Davis had no possible association with the death of Jim McFarland. Had he done so, his effort to separate Dorothy Davis' name from the death of McFarland would undoubtedly have convinced the authorities, rather, that she was implicated—and Mrs. McCord realized this.

When Dorothy Davis' name was announced, a ripple of excitement stirred the judicial serenity of the court room.

Testimony had been submitted relating the facts already known and published. John Davis had described dramatically how he had stepped thru the doorway of his store that eventful morning and beheld his chief clerk lying prostrate on the floor—with George Wordsworth Nelson standing over him, a revolver in his hand.

The Hardware Merchant's testimony had left a strong implication of guilt on George Nelson's shoulders, and this implication had been strengthened undoubtedly by the testimony of Nelson himself. The young man had denied his guilt, but had failed to offer any contraverting evidence. There seemed nothing the jury could do but recommend his prosecution.

Then the surprise witness, Dorothy Davis, was called to testify.

Her face flushed, her lips severely compressed, Miss Davis ascended the witness chair and answered the routine questions qualifying her as a witness.

"Did you know the deceased?" the coroner asked.

"Why, yes. I met him frequently in my father's store, where he worked."



A THIRD VOICE INTERPOLATED ITSELF INTO THE TUMULT.



"I'M LEARNING THINGS," SAID JOHN DAVIS AS HE NOTED HIS DAUGHTER'S BLUSHING FACE

Miss Davis' relation to this matter. I think I can elicit the desired facts from her, with satisfaction to all concerned. May I ask her a few questions?"

"Please do."

"Dorothy, do you have reason to believe that you possess information of interest to this investigation into Jim McFarland's death?"

"Yes, I do."

"Where did you get that information?"

"I overheard part of a conversation between George Nelson and a girl, as I stood, at your suggestion, concealed in the shadows of the park pavilion, where they met."

"Is that girl here?"

"No, she is ill and unable to attend."

"Do you know her name?"

"Yes, I followed them to her home—and when George Nelson left her, I entered the house and talked with her."

"What is her name?"

"Mrs. James McFarland."

"Did she tell you how the death of Jim McFarland occurred?"

"Yes. She said he killed himself."

"Did she give a reason?"

"Yes. . . .Must I give the reason?"

"I believe it is necessary."

"Very well. She said she was married to McFarland last year. Jim wanted to keep the marriage from his employer—for some reason. Then she discovered her husband was infatuated with me, his employer's daughter. Later he deserted her.

"The morning of his death, she entered my father's store when McFarland opened it. She pleaded with him. She laid before him the futility of his interest in me. Suddenly, he pulled a revolver from his pocket and shot himself. She ran from the store."

"Did she say why she neglected to lay this information before the authorities?"

"Just how personal were your relations with him?"

Two men jumped to their feet. Two voices uttered objections to this question. One was Dorothy's father. One was George Nelson. Davis' voice was a roar of indignation. Nelson's a tempest of protest.

A third voice interpolated itself into the tumult—a strong, quiet voice of feminine quality.

"Coroner, I believe

I am familiar with

"Yes, she said she had told George Nelson the whole story, that he had refused to allow her to bring her name and my name into the spotlight of notoriety.

"She explained to him that it was her duty to society and to him to tell her story—which would free him from suspicion.

"He threatened there would be another shooting, if she failed him, and then she would have something to explain which would get her into real difficulty.

"Becoming determined to tell her story, she phoned him at Mrs. McCord's home and at Mr. Snowdon's office, declaring she would not allow him to shoulder the blame any longer for her. When they met in the park, a policeman heard their argument and ordered them out.

"Mrs. McFarland has made a deposition of the above facts, which I have here."

"Snowdon, that boy has something besides temperamental ability in his system—he has backbone," said John Davis as the two men made their way toward the door after the adjournment of the inquest. "I'm going to get him back in my business."

"Oh no you aren't!" the architect answered. You don't need his temperament in your business—he's going to be a big architect some of these days. Just try to get him!"

"Here he comes now. Who is that stern man and pleasant appearing woman he and Mrs. McCord are walking with so happily?"

"I imagine the one is the reason for George's backbone, and the other the reason for his artistic temperament," said Dorothy Davis.

"So that's it!" said John Davis as he gazed intently at his daughter's blushing face. "I'm learning things."

"Miss Davis," George said, as he approached the two

Simple and Effective Doorway Treatment of 5-Car Aurora Garage



THIS 5-car private garage back of an Aurora home may fit in with requirements you have in mind. The doorway is 40 feet wide and has 3 columns overlapped by sliding doors. Permits roof supports and at the same time convenience of opening any part of the doorway. Such a wide

men and the girl, "I shall never be able to forget this thing you have done for me. I thank you more than words can tell—and, I want to present my mother and my father."

"May I add my appreciation to that of my son—and an invitation to come out to the farm sometime and let us show you more of our appreciation?"

"Yes do!" said the father. "George must come home soon. We are planning to build a new garage equipped with R-W Slidetite Garage Door Hardware, and I want his advice about the architecture of the building, and the landscaping of the grounds."

"Could you go this week end?" George asked Dorothy.

"I'd be glad to," she answered.

Comic Strip

Mrs. W.—"Nora, was the butcher impudent again when you telephoned your order this morning?"

Nora—"Sure, but I fixed him this time. Oi sez, 'Who the hell do ye think you're talkin' to? This is Mrs. W. talking!'"

Fair Enough!

Says Abie: "Cohen, I've been to the bank to borrow some money, and they say all I need is that you should sign to this note your name. Then I can have all the money I need. Ain't they fine?"

"Abie," says Cohen reproachfully, "you and I have been friends for many years, and yet you go to the bank when you need money. Abie, you just go again to the bank and say that they should sign the note, and then Cohen will lend you the money!"

—*Pacific Mutual News.*

When the army doctor examined the new recruit, the former was a trifle puzzled at the black spot on the latter's stomach.

"Where did you get that spot?" asked the doctor.

"That," answered the recruit, "is a tattoo mark."

"Tattoo mark?" questioned the doctor. "What is it supposed to represent?"

"Oh, that's my girl's name," replied the recruit.

"What is your girl's name?" asked the doctor.

"Elizabeth," answered the recruit.

"But that spot does not spell Elizabeth," said the doctor.

"Well," answered the recruit, "it did when I was fat."

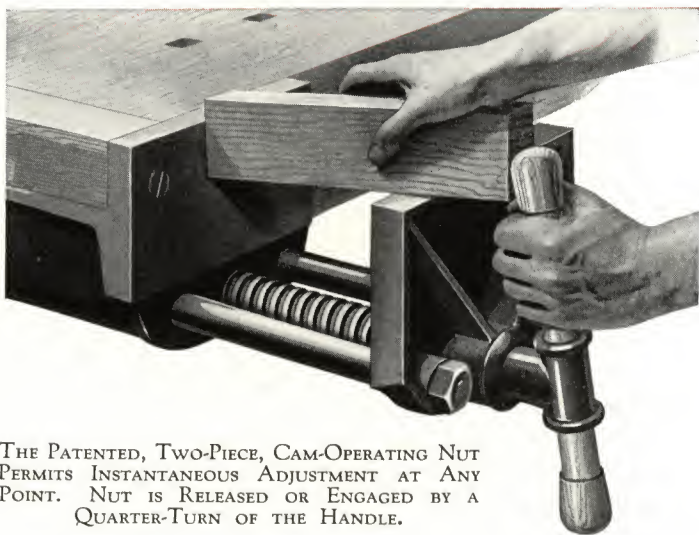
—*Kreolite News.*

doorway without supports would necessitate trussing overhead and a high roof.

A very desirable feature of this arrangement is the possibility of closing the doorway reasonably tight without weather-stripping. The hardware is Richards-Wilcox single trolley track supporting parallel doors—one set of doors operating on track inside the columns and one on track outside the columns.

To Save Minutes

—in SCHOOLS — CARPENTER SHOPS
WOODWORKING DEPTS. *Everywhere*



THE PATENTED, TWO-PIECE, CAM-OPERATING NUT PERMITS INSTANTANEOUS ADJUSTMENT AT ANY POINT. NUT IS RELEASED OR ENGAGED BY A QUARTER-TURN OF THE HANDLE.

R-W Rapid Acting Vise for Woodworkers

Just a quarter turn to the left, and it slides—back and forth, the full length of the rod. Give the handle a quarter turn to the right, and the nut re-engages, giving continuous screw action.

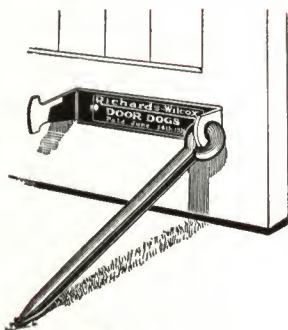
Shown on Pages 412-413 R-W Catalog 45

—Wherever Swing Doors Are Used R-W Door Dogs

(Trade Mark)

The most effective, convenient, positive, economical swing door holders made for garages, warehouses, etc.

Attractive 3-color counter display containing six sets in individual cartons, provided Hardware Dealers.

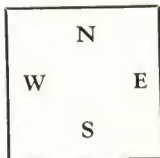


Shown on Page 158 of R-W Catalog No. 45

For Players of Bridge

H-8
C-4
D-K, 9, 8
S-A, K, 4, 3

H-K, Q, J, 10
C-Q, 5
D-Q, J, 10
S



H-7, 6, 5
C-7
D-6, 5
S-10, 8, 6

H-A, 4, 3, 2
C-10
D-7
S-Q, 9, 7

Spades are trump and South is in the lead. How can North and South win all of the tricks against any defense?

Solution of July Problem

	W	N	E	S
1	H-J*	H-5	H-4	H-A
2	H-6	H-Q	C-2	H-2*
3	D-A	D-2*	D-3	D-K
4	C-7*	C-A	C-5	C-3
5	D-10	D-Q*	D-4	D-9
6	D-8	D-7*	D-J	D-6
7	C-K	D-5	C-Q*	H-3

(*) Lead

Note that game cannot be scored by North and South, except with the heart opening. If West should open either Spades or Clubs, West and East can score two Diamond, one Spade and one Club tricks. West's opening, however, is not unsound. Many players would prefer the trump opening to leading away from the King of Clubs, or the King of Spades.

♦ BIRTHOGRAPHS ♦

“**L**ET us exalt Patriotism and moderate our party contentions. Let those who would die for the flag on the field of battle, give a better proof of their patriotism and a higher glory to their country by promoting fraternity and justice.”

—Benjamin Harrison.

Excerpt from Inaugural Speech made by President Benjamin Harrison.

Benjamin Harrison was born August 20, 1833

Free Want Ad Service

BUSINESS OPPORTUNITIES

FOR SALE: Up to date, clean hardware stock in town of 1500. Will invoice about \$3,500.00. Brick building, reasonable rent and in central Iowa. Address L. P. H., care Door-Ways.

FOR SALE: Modern hardware stock, all steel fixtures and display tables in growing town of 3500. Only hardware store in town. Address Waldemar J. Koch, 3407 Dixie Highway, Steger, Ill.

FOR SALE: Hardware and Stove Business. Cleanest and most up to date small town hardware store in central Illinois. Will invoice about \$7,500.00, including fixtures. Cheap rent. A good town of 1000 people on hard road and two trunk line railroads. Doing a good business. Poor health reason for retiring. This opportunity is worth investigating. Address W. W. W., care Door-Ways.

FOR SALE: One of the best hardware stores in the state of Colorado. Worth the money. Located in a well irrigated district. Address H. L. T., care of Door-Ways.

FOR SALE: Up to date progressive Hardware Store on Main Street. Invoices at inventory. Address R. F., care of Door-Ways.

REAL ESTATE

FOR SALE: 480 acres unimproved land, adjoining the village of Clontarf, Swift County, Minnesota, on the Great Northern about 100 miles west of St. Paul. Surface rolling, with drainage canal passing thru one corner of one eighty. May be purchased under long time contract by responsible party. Address A. W. W., care Door-Ways.

FOR SALE: My six room residence, also two business houses and three farms. Reason for selling, need the money to get in the oil play that is coming on right now. Address G. G. Ball, 312 N. 9th St., Kingfisher, Okla.

FOR SALE OR TRADE FOR HARDWARE or Implement stock: A 200 acre farm in Mower Co., Minn. What have you? Address L. J., care Door-Ways.

MISCELLANEOUS

Surplus Stock of High Speed and Carbon drills for sale at 50% reduction. Write for list. Consolidated Car-Heating Co., Albany, N. Y.

FOR SALE: One automatic advertising machine, complete (except lamp) with Tork clock, spare motor, etc., ready to run. Projects ads 17 feet x 21 feet. Starts, stops, and makes 20 changes of ads automatically. If you want to give your business night outdoor advertising, this machine is priced far below its cost, and will give years of service. Address Box 56, Quaker Hill, Conn.

I have about 10,000 plates from the Brick Builder, Topical Architecture, the Inland Architect, Architecture and other Architecture Journals which I desire to dispose of at a very reasonable figure. Address P. F. B., care Door-Ways.

FOR SALE: Over two hundred dollars worth of tinner's machines and tools for fifty dollars; for quick move. Address A. M. Moore, Ashton, Illinois.

POSITIONS WANTED

Single, 21, graduate Civil Engineer, seven months experience as rodman before graduation, eleven months experience as Instrumentman, and now working as Railroad Draftsman. Wishes to go to South America as Instrumentman or Draftsman. Prefer Railroad Construction. Address G., care Door-Ways.

Married man 32 years of age, with college education and many years experience in Hardware and Furniture business wants position as manager. Address W. D. K., care Door-Ways.

POSITION WANTED: Young married man 30 years, experienced draftsman, also somewhat familiar with Autos and Machinery, attended Culver Military Academy and Iowa State College, Ames, Iowa. Can furnish good references. Robert Forward, 1418 Ellis St., Bellingham, Wash.

HARDWARE STOCK WANTED

HARDWARE STOCK WANTED: One not too large in west central or northwest Iowa. Address J. L., care Door-Ways.

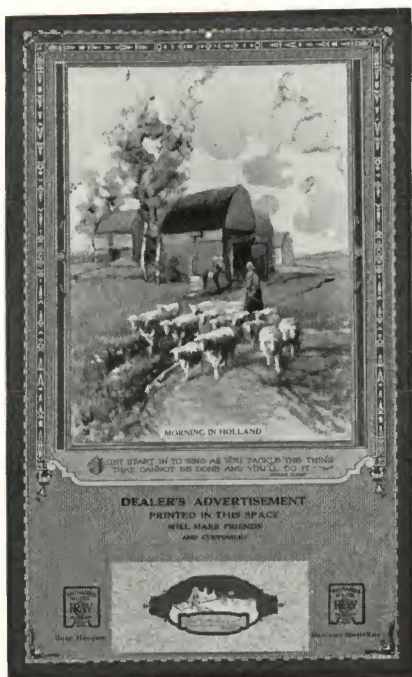
Use ART CALENDARS to *Place Your Name in*

Your Customers' Homes

ART Calendars have been, and will continue to be, the finest means you have of bringing in new customers and making certain the steady patronage of those you now have.

The benefits of Calendars are distributed over the entire year and will show results for 365 days. Don't fail to assure yourself of these benefits. Send your Calendar order today.

Use This Handy Order Form:



Richards-Wilcox Mfg. Co., Aurora, Ill.

Date.....

Please furnish Friendship Calendars on your Special Offer as follows:
Minimum order 100 of 1 style mount. Subjects assorted or single

Style A	CALENDARS	Style B
Large Size		Large Size
Super DeLuxe		Semi DeLuxe
10 cents each (S.920)		7½ cents each (S.215)
.....Picking up the Scent (1223)	
.....Lucille (1022)	
.....Memory's Garden (1094)	
.....Bless Mama 'n Papa Too (1025)	
.....Morning in Holland (1027)	
.....Envelopes at \$1.50 per 100		
.....(Use Envelopes for Better Presentation)		
.....Strawboard Inserts at \$1.50 per 100		
.....Strawboards and Envelopes Necessary for Mailing		

Subject to under-run or over-run up to 5%. Shipment made in the Fall. F. O. B. Chicago. Terms, Net 30 Days after shipment.

PRINT THIS COPY

Name.....

Business.....

Telephone..... Street Address.....

Town.....

Signed.....

PLEASE ATTACH BUSINESS CARD OR LETTERHEAD

4th Annual Golf Tournament of Hardware Men September 13th, 14th and 15th, Excelsior Springs, Mo.

At a meeting of the Directors of the Hardware Golf Association, the above dates were decided upon for the holding of the 4th Annual Golf Tournament and party at Excelsior Springs, Mo., an ideal location, about 30 miles east and a little north of Kansas City.

The directors and officers of the Association are:

W. H. Fitch, President	J. Clarke Coit
John Wyeth, Vice-President	W. F. Girard
R. A. Sundvahl, Sec'y and Treas.	E. R. Swift Geo. H. Beaudin

W. H. Fitch, President of the Richards-Wilcox Manufacturing Company, invited the Directors to the Aurora Country Club for a round or two of Golf, Lunch and Dinner. After a splendid Chicken Dinner he called the Directors into session for the purpose of deciding When, Where and How?

When — was decided to be September 13, 14 and 15th.

Where — at Excelsior Springs, Mo.

How — by securing yearly memberships as before and appointing Committees to do the necessary things to make this Annual Golf Tournament Bigger and Better than Before.

Committees appointed —

Membership Committee: E. R. Swift, Chairman
J. Clarke Coit
J. D. McCue

Arrangement Committee, to arrange Hotel and Golf Course accommodations and rates to be announced later:

W. F. Girard, Chairman	Prize and Trophy Committee:
Harold G. Starks	Geo. H. Beaudin, Chairman
Howard J. Ellfeldt	A. J. Eggleston
Publicity Committee:	Ralph Irwin
A. J. Eggleston, Chairman	Handicap and Tournament
N. A. Gladding	Committee:
Robert Jones	R. A. Sundvahl, Chairman
Chas. Sager	J. C. Fish
	J. K. Werner

An invitation is given to all connected with the Hardware Industry to join with those who attended previous Hardware Golf Tournaments and are coming again because of the great lot of fun they had last year and the year before that.

Regular Memberships are for Hardware Jobbing or Manufacturing firms and allow one or more representatives to play. Fee \$5.00.

Associate Membership is for an individual selling to Hardware Jobbers a product of a firm not having a regular membership. Fee \$2.00.

Any other individual connected in some capacity with the Hardware Industry, may, upon approval of the Membership Committee, become an Associate Member. Fee \$2.00.

Membership application blanks can be secured by writing the Secretary, R. A. Sundvahl, 321 W. Randolph St., Chicago.

All fees collected are used to purchase prizes as it is the desire of the Directors to give every player, if possible, a prize.

More and Better Prizes will be given this year.

Last year nearly 100 attended; 81 played golf and 67 prizes were distributed.

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